Name Of work :- Improvements to roads and drains at Jayamuni Layout and Venktala Surrounding areas in ward No.01 at Yelahanka Sub Division

Date of Pre-Measurement : 20-02-2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	Removing & Refixing stone Slab of drain and pointing in Cm (1:3)							
	Desilt							
	Jayamuni layout							
	Lake Rd upto culvert	RHS	1	22.30	0.75		16.73	
		RHS	1	11.00	0.75		8.25	
		RHS	1	11.60	0.75		8.70	
		RHS	1	11.60	0.75		8.70	
	Vekatala							
	1st main		1	30.00	0.75		22.50	
			1	24.00	0.75		18.00	
			1	19.00	0.75		14.25	
			1	22.00	0.75		16.50	
	2nd main		1	30.00	0.75		22.50	
			1	14.00	0.75		10.50	
			1	18.00	0.75		13.50	
			1	8.40	0.75		6.30	
			1	16.40	0.75		12.30	
	3rd main		1	23.70	0.75		17.78	
			1	17.90	0.75		13.43	
			1	25.00	0.75		18.75	
			1	10.20	0.75		7.65	
						Present Qty	**236.33**	**Sqm**

Contractor

PMC

Assistant Engineer 20/2/19.

Asst. Executive Engineer 20/2/19

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name Of work :- Improvements to roads and drains at Jayamuni Layout and Venktala Surrounding areas in ward No.01 at Yelahanka Sub Division

Date of Pre-Measurement : 19.02.2019 & 20.02.2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.							
	Desilt							
	Jayamuni layout							
	Lake Rd upto culvert	RHS	1	22.30	0.40	0.30	2.68	
		RHS	1	11.00	0.30	0.30	0.99	
		RHS	1	11.60	0.35	0.30	1.22	
		RHS	1	11.60	0.40	0.25	1.16	
	Vekatala							
	1st main		1	30.00	0.35	0.30	3.15	
			1	24.00	0.40	0.30	2.88	
			1	19.00	0.40	0.30	2.28	
			1	22.00	0.30	0.30	1.98	
	2nd main		1	30.00	0.40	0.30	3.60	
			1	14.00	0.40	0.30	1.68	
			1	18.00	0.35	0.30	1.89	
			1	8.40	0.35	0.30	0.88	
			1	16.40	0.35	0.30	1.72	
	3rd main		1	23.70	0.30	0.30	2.13	
			1	17.90	0.30	0.30	1.61	
			1	25.00	0.35	0.30	2.63	
			1	10.20	0.35	0.30	1.07	
	For Drain							
	Lake Rd upto culvert	LHS	1	30.00	1.00	0.80	24.00	
		LHS	1	30.00	1.00	0.80	24.00	
		LHS	1	30.00	1.00	0.80	24.00	
		LHS	1	4.00	1.00	0.80	3.20	
		LHS	1	30.00	1.00	0.80	24.00	
		LHS	1	30.00	1.00	0.80	24.00	
		LHS	1	30.00	1.00	0.80	24.00	
	1st main Rd							
		LHS	1	14.00	1.00	0.90	12.60	
		LHS	1	30.00	1.00	0.90	27.00	
		LHS	1	8.00	1.00	0.90	7.20	
		LHS	1	30.00	1.00	0.90	27.00	
		LHS	1	27.00	1.00	0.90	24.30	
		LHS	1	25.00	1.00	1.00	25.00	
		LHS	1	18.50	1.00	1.00	18.50	
		LHS	1	18.20	1.00	1.00	18.20	
		LHS	1	24.00	1.00	1.00	24.00	
		LHS	1	18.00	1.00	1.00	18.00	
		RHS	1	30.00	1.00	1.00	30.00	
		RHS	1	30.00	1.00	1.00	30.00	
		RHS	1	30.00	1.00	1.00	30.00	

CHOSRC

20/2/19

Asst. Executive Engineer
Project Division
Yelahanka Zone

20/2/19

		RHS	1	30.00	1.00	1.00	30.00	
		RHS	1	14.00	1.00	1.00	14.00	
	Marutinagar near Canara bank							
		LHS	1	30.00	1.00	1.00	30.00	
		LHS	1	28.00	1.00	1.00	28.00	
	continued	LHS	1	30.00	1.00	1.00	30.00	
		LHS	1	2.00	1.00	1.00	2.00	
	Culvert							
	Lake Road		1	6.30	1.50	1.00	9.45	
	1st main		1	2.70	1.20	1.00	3.24	
			1	2.70	1.20	1.00	3.24	
			1	3.20	1.20	1.00	3.84	
			1	3.30	1.20	1.00	3.96	
			1	3.80	1.20	1.00	4.56	
			1	3.80	1.20	1.00	4.56	
						Present Qty	**639.40**	**Cum**

CM & RC 20/2/19

Contractor

PMC

Assistant Engineer 20/2/19

20/2/19

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name Of work :- Improvements to roads and drains at Jayamuni Layout and Venktala Surrounding areas in ward No.01 at Yelahanka Sub Division

Date of Pre-Measurement : 21-02-19

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.							
	For Drain							
	Lake Rd upto culvert	LHS	1	30.00	0.90	0.15	4.05	
		LHS	1	30.00	0.90	0.15	4.05	
		LHS	1	30.00	0.90	0.15	4.05	
		LHS	1	4.00	0.90	0.15	0.54	
		LHS	1	30.00	0.90	0.15	4.05	
		LHS	1	30.00	0.90	0.15	4.05	
		LHS	1	30.00	0.90	0.15	4.05	
	1st main Rd							
		LHS	1	14.00	1.00	0.15	2.10	
		LHS	1	30.00	1.00	0.15	4.50	
		LHS	1	8.00	1.00	0.15	1.20	
		LHS	1	30.00	1.00	0.15	4.50	
		LHS	1	27.00	1.00	0.15	4.05	
		LHS	1	25.00	1.00	0.15	3.75	
		LHS	1	18.50	1.00	0.15	2.78	
		LHS	1	18.20	1.00	0.15	2.73	
		LHS	1	24.00	1.00	0.15	3.60	
		LHS	1	18.00	1.00	0.15	2.70	
		RHS	1	30.00	1.00	0.15	4.50	
		RHS	1	30.00	1.00	0.15	4.50	
		RHS	1	30.00	1.00	0.15	4.50	
		RHS	1	30.00	1.00	0.15	4.50	
		RHS	1	14.00	1.00	0.15	2.10	
	Marutinagar near Canara bank							
		LHS	1	30.00	1.00	0.15	4.50	
		LHS	1	28.00	1.00	0.15	4.20	
	continued	LHS	1	30.00	1.00	0.15	4.50	
		LHS	1	2.00	1.00	0.15	0.30	
	Culvert							
	Lake Road		1	6.30	1.40	0.20	1.76	
	1st main		1	2.70	1.20	0.20	0.65	
			1	2.70	1.20	0.20	0.65	
			1	3.20	1.20	0.20	0.77	
			1	3.30	1.20	0.20	0.79	
			1	3.80	1.20	0.20	0.91	
			1	3.80	1.20	0.20	0.91	

Checked
21/02/19

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Date of Pre-Measurement : 05/03/19, 7/03/19 & 8/3/19.

	For Road								
	Lake Road								
	Ch:0.00m to 30.00m		1	30.00	4.50 + 4.70 / 2		0.10	13.80	
	Ch:30.00m to 60.00m		1	30.00	4.70 + 4.80 / 2		0.10	14.25	
	Ch:60.00m to 90.00m		1	30.00	4.80 + 4.50 / 2		0.10	13.95	
	Ch:90.00m to 98.00m		1	8.00	4.50 + 6.20 / 2		0.10	4.28	
	Entrance Road								
	Ch:0.00m to 30.00m		1	30.00	6.20 + 6.00 / 2		0.10	18.30	
	Ch:30.00m to 60.00m		1	30.00	6.00 + 6.00 / 2		0.10	18.00	
	Ch:60.00m to 90.00m		1	30.00	6.00 + 5.80 / 2		0.10	17.70	
	Ch:90.00m to 120.00m		1	30.00	5.80 + 5.60 / 2		0.10	17.10	
	Ch:120.00m to 150.00m		1	30.00	5.60 + 3.40 / 2		0.10	13.50	
	Ch:150.00m to 175.00m		1	25.00	3.40 + 3.20 / 2		0.10	8.25	
	Ch:175.00m to 178.00m		1	3.00	1.80 + 1.80 / 2		0.10	0.54	
	2nd main cross road -1								
	Ch:0.00m to 30.00m	LHS	1	30.00	2.70 + 2.80 / 2		0.10	8.25	
	Ch:30.00m to 36.00m		1	6.00	2.80 + 2.90 / 2		0.10	1.71	
	2nd main cross road -2								
	Ch:0.00m to 30.00m	LHS	1	30.00	3.20 + 3.00 / 2		0.10	9.30	
	Ch:30.00m to 33.30m		1	3.30	3.00 + 2.80 / 2		0.10	0.96	
	2nd main cross road -3								
	Ch:0.00m to 30.00m	LHS	1	30.00	2.80 + 2.70 / 2		0.10	8.25	
	Ch:30.00m to 34.00m		1	4.00	2.70 + 2.70 / 2		0.10	1.08	
	2nd main cross road -7								
	Ch:0.00m to 30.00m	LHS	1	30.00	2.70 + 2.70 / 2		0.10	8.10	
	Ch:30.00m to 33.00m		1	3.00	2.70 + 2.90 / 2		0.10	0.84	
	2nd main cross road -10								
	Ch:0.00m to 30.00m	LHS	1	30.00	4.00 + 4.10 / 2		0.10	12.15	
	Ch:30.00m to 30.60m		1	0.60	4.10 + 4.10 / 2		0.10	0.25	

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

	1st main cross road -2								
	Ch:0.00m to 30.00m	LHS	1	30.00	3.20 + 3.10 / 2		0.10	9.45	
	Ch:30.00m to 36.00m		1	6.00	3.10 + 3.20 / 2		0.10	1.89	
	1st main cross road -4								
	Ch:0.00m to 30.00m	LHS	1	30.00	3.60 + 3.20 / 2		0.10	10.20	
	Ch:30.00m to 36.00m		1	6.00	3.20 + 3.20 / 2		0.10	1.92	
	1st main cross road -5								
	Ch:0.00m to 30.00m	LHS	1	30.00	3.70 + 3.80 / 2		0.10	11.25	
	Ch:30.00m to 30.50m		1	0.50	3.80 + 3.80 / 2		0.10	0.19	
	1st main cross road -6								
	Ch:0.00m to 18.70m	LHS	1	18.70	2.80 + 2.80 / 2		0.10	5.24	
	1st main cross road -7								
	Ch:0.00m to 19.00m	LHS	1	19.00	2.50 + 2.50 / 2		0.10	4.75	
	Maruthinagar 24th B cross								
	Ch:0.00m to 30.00m		1	30.00	2.40 + 3.00 / 2		0.10	8.10	
	Ch:30.00m to 38.50m		1	8.50	3.00 + 3.10 / 2		0.10	2.59	
	Maruthinagar near Canara bank								
	Ch:0.00m to 30.00m		1	30.00	4.90 + 3.80 / 2		0.10	13.05	
	Ch:30.00m to 58.00m		1	28.00	3.80 + 3.10 / 2		0.10	9.66	
	continued		1	8.50	4.50 + 4.50 / 2		0.10	3.83	
	continued		1	4.00	6.00 + 5.50 / 2		0.10	2.30	
	Continued Right side								
	Ch:0.00m to 30.00m		1	30.00	2.30 + 2.20 / 2		0.10	6.75	
						Present Qty		**378.51**	**Cum**

Contractor

PMC

Assistant Engineer 8/3/19

Asst Executive Engineer,
Project Division
Yelahanka Zone
Bangalore

8/3/19

Name Of work :- Improvements to roads and drains at Jayamuni Layout and Venktala Surrounding areas in ward No.01 at Yelahanka Sub Division

Date of Pre-Measurement : 22.02.2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 and as per the direction of Engineer in charge							
	Jayamuni Layout							
	Lake Rd upto culvert							
	Total Drain length=184.00m							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr		1226	1.70		0.89	1854.94	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		9	184.00		0.61	1010.16	
	1st main LHS							
	Total Drain length=212.70m							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr		1418	1.90		0.89	2397.84	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		10	212.70		0.61	1297.47	
	1st main RHS							
	Total Drain length=134.00m							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr		893	1.90		0.89	1510.06	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		10	134.00		0.61	817.40	
	Marutinagar near Canara bank							
	Total Drain length=90.00m							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr		600	1.90		0.89	1014.60	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		12	90.00		0.61	658.80	
	Culvert							
	Total Drain length=25.80m							
	Main bar 12mm dia bar @ 150mmC/c							
	12mm bar unit weight = 0.89kg/mtr		172	1.95		0.89	298.51	
	Distribution bar 10mm dia 150mm C/c							
	10mm bar unit weight = 0.61kg/mtr		12	25.80		0.61	188.86	
							11048.63	
						Present Qty	**11.05**	**Tn**

Contractor

PMC

Assistant Engineer 22/02/2019.

22/2/19

Asst. Executive Engineer,
Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name Of work :- Improvements to roads and drains at Jayamuni Layout and Venktala Surrounding areas in ward No.01 at Yelahanka Sub Division

Date of Pre-Measurement : 25.02.2019

Detailed Measurements

Item No	Description of Item		No	Length	Breadth	Depth	Qty	Unit
8	Earth work in soil with hydraulic excavator of 0.9 cu.m. bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications.							
	For Road							
	Lake Road							
	Ch:0.00m to 30.00m		1	30.00	(4.50 + 4.70)/2	0.40	55.20	
	Ch:30.00m to 60.00m		1	30.00	(4.70 + 4.80)/2	0.40	57.00	
	Ch:60.00m to 90.00m		1	30.00	(4.80 + 4.50)/2	0.40	55.80	
	Ch:90.00m to 98.00m		1	8.00	(4.50 + 6.20)/2	0.40	17.12	
	Entrance Road							
	Ch:0.00m to 30.00m		1	30.00	(6.20 + 6.00)/2	0.40	73.20	
	Ch:30.00m to 60.00m		1	30.00	(6.00 + 6.00)/2	0.40	72.00	
	Ch:60.00m to 90.00m		1	30.00	(6.00 + 5.80)/2	0.40	70.80	
	Ch:90.00m to 120.00m		1	30.00	(5.80 + 5.60)/2	0.40	68.40	
	Ch:120.00m to 150.00m		1	30.00	(5.60 + 3.40)/2	0.40	54.00	
	Ch:150.00m to 175.00m		1	25.00	(3.40 + 3.20)/2	0.40	33.00	
	Ch:175.00m to 178.00m		1	3.00	(1.80 + 1.80)/2	0.40	2.16	
	2nd main cross road -1							
	Ch:0.00m to 30.00m	LHS	1	30.00	(2.70 + 2.80)/2	0.40	33.00	
	Ch:30.00m to 36.00m		1	6.00	(2.80 + 2.90)/2	0.40	6.84	
	2nd main cross road -2							
	Ch:0.00m to 30.00m	LHS	1	30.00	(3.20 + 3.00)/2	0.40	37.20	
	Ch:30.00m to 33.30m		1	3.30	(3.00 + 2.80)/2	0.40	3.83	
	2nd main cross road -3							
	Ch:0.00m to 30.00m	LHS	1	30.00	(2.80 + 2.70)/2	0.40	33.00	
	Ch:30.00m to 34.00m		1	4.00	(2.70 + 2.70)/2	0.40	4.32	

	2nd main cross road -7									
	Ch:0.00m to 30.00m	LHS	1	30.00	2.70	+	2.70	0.40	32.40	
						2				
	Ch:30.00m to 33.00m		1	3.00	2.70	+	2.90	0.40	3.36	
						2				
	2nd main cross road -10									
	Ch:0.00m to 30.00m	LHS	1	30.00	4.00	+	4.10	0.40	48.60	
						2				
	Ch:30.00m to 30.60m		1	0.60	4.10	+	4.10	0.40	0.98	
						2				
	1st main cross road -2									
	Ch:0.00m to 30.00m	LHS	1	30.00	3.20	+	3.10	0.40	37.80	
						2				
	Ch:30.00m to 36.00m		1	6.00	3.10	+	3.20	0.40	7.56	
						2				
	1st main cross road -4									
	Ch:0.00m to 30.00m	LHS	1	30.00	3.60	+	3.20	0.40	40.80	
						2				
	Ch:30.00m to 36.00m		1	6.00	3.20	+	3.20	0.40	7.68	
						2				
	1st main cross road -5									
	Ch:0.00m to 30.00m	LHS	1	30.00	3.70	+	3.80	0.40	45.00	
						2				
	Ch:30.00m to 30.50m		1	0.50	3.80	+	3.80	0.40	0.76	
						2				
	1st main cross road -6									
	Ch:0.00m to 18.70m	LHS	1	18.70	2.80	+	2.80	0.40	20.94	
						2				
	1st main cross road -7									
	Ch:0.00m to 19.00m	LHS	1	19.00	2.50	+	2.50	0.40	19.00	
						2				
	Maruthinagar 24th B cross									
	Ch:0.00m to 30.00m		1	30.00	2.40	+	3.00	0.40	32.40	
						2				
	Ch:30.00m to 38.50m		1	8.50	3.00	+	3.10	0.40	10.37	
						2				
	Maruthinagar near Canara bank									
	Ch:0.00m to 30.00m		1	30.00	4.90	+	3.80	0.40	52.20	
						2				
	Ch:30.00m to 58.00m		1	28.00	3.80	+	3.10	0.40	38.64	
						2				
	continued		1	8.50	4.50	+	4.50	0.40	15.30	
						2				
	continued		1	4.00	6.00	+	5.50	0.40	9.20	
						2				
	Continued Right side									
	Ch:0.00m to 30.00m		1	30.00	2.30	+	2.20	0.40	27.00	
						2				
								Present Qty	**1126.87**	**Cum**

Contractor

PMC

Assistant Engineer 25/2/19

25/2/19

Asst. Executive Engineer
Asst. Executive Engineer,
Project Division
Yelahanka Zone
Bangalore

Name Of work :- Improvements to roads and drains at Jayamuni Layout and Venktala Surrounding areas in ward No.01 at Yelahanka Sub Division

Date of Pre-Measurement : 26.02.2019.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
9	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.							
	For Road							
	Lake Road							
	Ch:0.00m to 30.00m		1	30.00	(4.50 + 4.70)/2		138.00	
	Ch:30.00m to 60.00m		1	30.00	(4.70 + 4.80)/2		142.50	
	Ch:60.00m to 90.00m		1	30.00	(4.80 + 4.50)/2		139.50	
	Ch:90.00m to 98.00m		1	8.00	(4.50 + 6.20)/2		42.80	
	Entrance Road							
	Ch:0.00m to 30.00m		1	30.00	(6.20 + 6.00)/2		183.00	
	Ch:30.00m to 60.00m		1	30.00	(6.00 + 6.00)/2		180.00	
	Ch:60.00m to 90.00m		1	30.00	(6.00 + 5.80)/2		177.00	
	Ch:90.00m to 120.00m		1	30.00	(5.80 + 5.60)/2		171.00	
	Ch:120.00m to 150.00m		1	30.00	(5.60 + 3.40)/2		135.00	
	Ch:150.00m to 175.00m		1	25.00	(3.40 + 3.20)/2		82.50	
	Ch:175.00m to 178.00m		1	3.00	(1.80 + 1.80)/2		5.40	
	2nd main cross road -1							
	Ch:0.00m to 30.00m	LHS	1	30.00	(2.70 + 2.80)/2		82.50	
	Ch:30.00m to 36.00m		1	6.00	(2.80 + 2.90)/2		17.10	
	2nd main cross road -2							
	Ch:0.00m to 30.00m	LHS	1	30.00	(3.20 + 3.00)/2		93.00	
	Ch:30.00m to 33.30m		1	3.30	(3.00 + 2.80)/2		9.57	
	2nd main cross road -3							
	Ch:0.00m to 30.00m	LHS	1	30.00	(2.80 + 2.70)/2		82.50	
	Ch:30.00m to 34.00m		1	4.00	(2.70 + 2.70)/2		10.80	

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	2nd main cross road -7										
	Ch:0.00m to 30.00m	LHS	1	30.00	2.70	+	2.70	2		81.00	
	Ch:30.00m to 33.00m		1	3.00	2.70	+	2.90	2		8.40	
	2nd main cross road -10										
	Ch:0.00m to 30.00m	LHS	1	30.00	4.00	+	4.10	2		121.50	
	Ch:30.00m to 30.60m		1	0.60	4.10	+	4.10	2		2.46	
	1st main cross road -2										
	Ch:0.00m to 30.00m	LHS	1	30.00	3.20	+	3.10	2		94.50	
	Ch:30.00m to 36.00m		1	6.00	3.10	+	3.20	2		18.90	
	1st main cross road -4										
	Ch:0.00m to 30.00m	LHS	1	30.00	3.60	+	3.20	2		102.00	
	Ch:30.00m to 36.00m		1	6.00	3.20	+	3.20	2		19.20	
	1st main cross road -5										
	Ch:0.00m to 30.00m	LHS	1	30.00	3.70	+	3.80	2		112.50	
	Ch:30.00m to 30.50m		1	0.50	3.80	+	3.80	2		1.90	
	1st main cross road -6										
	Ch:0.00m to 18.70m	LHS	1	18.70	2.80	+	2.80	2		52.36	
	1st main cross road -7										
	Ch:0.00m to 19.00m	LHS	1	19.00	2.50	+	2.50	2		47.50	
	Maruthinagar 24th B cross										
	Ch:0.00m to 30.00m		1	30.00	2.40	+	3.00	2		81.00	
	Ch:30.00m to 38.50m		1	8.50	3.00	+	3.10	2		25.93	
	Maruthinagar near Canara bank										
	Ch:0.00m to 30.00m		1	30.00	4.90	+	3.80	2		130.50	
	Ch:30.00m to 58.00m		1	28.00	3.80	+	3.10	2		96.60	
	continued		1	8.50	4.50	+	4.50	2		38.25	
	continued		1	4.00	6.00	+	5.50	2		23.00	
	Continued Right side										
	Ch:0.00m to 30.00m		1	30.00	2.30	+	2.20	2		67.50	
									Present Qty	**2817.17**	**Sqm**

Contractor

PMC

Assistant Engineer 26/2/19

26/2/19

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name Of work :- Improvements to roads and drains at Jayamuni Layout and Venktala Surrounding areas in ward No.01 at Yelahanka Sub Division

Date of Pre-Measurement : 02.03.2019.

Detailed Measurements

Item No	Description of Item		No	Length	Breadth	Depth	Qty	Unit
10	Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method							
	For Road							
	Lake Road							
	Ch:0.00m to 30.00m		1	30.00	(4.50 + 4.70)/2	0.15	20.70	
	Ch:30.00m to 60.00m		1	30.00	(4.70 + 4.80)/2	0.15	21.38	
	Ch:60.00m to 90.00m		1	30.00	(4.80 + 4.50)/2	0.15	20.93	
	Ch:90.00m to 98.00m		1	8.00	(4.50 + 6.20)/2	0.15	6.42	
	Entrance Road							
	Ch:0.00m to 30.00m		1	30.00	(6.20 + 6.00)/2	0.15	27.45	
	Ch:30.00m to 60.00m		1	30.00	(6.00 + 6.00)/2	0.15	27.00	
	Ch:60.00m to 90.00m		1	30.00	(6.00 + 5.80)/2	0.15	26.55	
	Ch:90.00m to 120.00m		1	30.00	(5.80 + 5.60)/2	0.15	25.65	
	Ch:120.00m to 150.00m		1	30.00	(5.60 + 3.40)/2	0.15	20.25	
	Ch:150.00m to 175.00m		1	25.00	(3.40 + 3.20)/2	0.15	12.38	
	Ch:175.00m to 178.00m		1	3.00	(1.80 + 1.80)/2	0.15	0.81	
	2nd main cross road -1							
	Ch:0.00m to 30.00m	LHS	1	30.00	(2.70 + 2.80)/2	0.15	12.38	
	Ch:30.00m to 36.00m		1	6.00	(2.80 + 2.90)/2	0.15	2.57	
	2nd main cross road -2							
	Ch:0.00m to 30.00m	LHS	1	30.00	(3.20 + 3.00)/2	0.15	13.95	
	Ch:30.00m to 33.30m		1	3.30	(3.00 + 2.80)/2	0.15	1.44	
	2nd main cross road -3							
	Ch:0.00m to 30.00m	LHS	1	30.00	(2.80 + 2.70)/2	0.15	12.38	
	Ch:30.00m to 34.00m		1	4.00	(2.70 + 2.70)/2	0.15	1.62	

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	2nd main cross road -7							
	Ch:0.00m to 30.00m	LHS	1	30.00	2.70 + 2.70 / 2	0.15	12.15	
	Ch:30.00m to 33.00m		1	3.00	2.70 + 2.90 / 2	0.15	1.26	
	2nd main cross road -10							
	Ch:0.00m to 30.00m	LHS	1	30.00	4.00 + 4.10 / 2	0.15	18.23	
	Ch:30.00m to 30.60m		1	0.60	4.10 + 4.10 / 2	0.15	0.37	
	1st main cross road -2							
	Ch:0.00m to 30.00m	LHS	1	30.00	3.20 + 3.10 / 2	0.15	14.18	
	Ch:30.00m to 36.00m		1	6.00	3.10 + 3.20 / 2	0.15	2.84	
	1st main cross road -4							
	Ch:0.00m to 30.00m	LHS	1	30.00	3.60 + 3.20 / 2	0.15	15.30	
	Ch:30.00m to 36.00m		1	6.00	3.20 + 3.20 / 2	0.15	2.88	
	1st main cross road -5							
	Ch:0.00m to 30.00m	LHS	1	30.00	3.70 + 3.80 / 2	0.15	16.88	
	Ch:30.00m to 30.50m		1	0.50	3.80 + 3.80 / 2	0.15	0.29	
	1st main cross road -6							
	Ch:0.00m to 18.70m	LHS	1	18.70	2.80 + 2.80 / 2	0.15	7.85	
	1st main cross road -7							
	Ch:0.00m to 19.00m	LHS	1	19.00	2.50 + 2.50 / 2	0.15	7.13	
	Maruthinagar 24th B cross							
	Ch:0.00m to 30.00m		1	30.00	2.40 + 3.00 / 2	0.15	12.15	
	Ch:30.00m to 38.50m		1	8.50	3.00 + 3.10 / 2	0.15	3.89	
	Maruthinagar near Canara bank							
	Ch:0.00m to 30.00m		1	30.00	4.90 + 3.80 / 2	0.15	19.58	
	Ch:30.00m to 58.00m		1	28.00	3.80 + 3.10 / 2	0.15	14.49	
	continued		1	8.50	4.50 + 4.50 / 2	0.15	5.74	
	continued		1	4.00	6.00 + 5.50 / 2	0.15	3.45	
	Continued Right side							
	Ch:0.00m to 30.00m		1	30.00	2.30 + 2.20 / 2	0.15	10.13	
						Present Qty	**422.57**	**Cum**

Contractor

PMC

Assistant Engineer 02/03/19.

2/3/19

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore